CONTENTS OF VOLUME XVIII

Number 1, January, 1959

Introductory Remarks (Part One). Ben W. Lichtenstein, M.D., Chicago, Ill. 1

Atresia and Stenosis of the Aqueduct of Sylvius with Comments on the Arnold-Chiari Complex. Ben W. Lichtenstein, M.D., Chicago, Ill. 3

Pathoarchitectonic Studies of Cerebral Malformations. III Arrhinencephalies (Holotelencephalies). Paul I. Yakovlev, M.D., Boston, Mass. 22

Dysraphic States. Clemens E. Benda, M.D., Waverley, Mass. 56

Congenital Vascular Anomalies and their Histopathology in Sturge-Weber-Dimitri Syndrome. (Naevus Flammeus with Angiomatosis and Encephalosis Calcificans). L. Roizin, M.D., G. Gold, M.D., H. H. Berman, M.D., and V. I. Bonafede, M.D., New York, N.Y. 75

Small Vascular Malformations of the Brain: Their Relationship to Unexpected Death, Hydrocephalus and Mental Deficiency. O. T. Bailey, M.D., and J. S. Woodard, M.D., Indianapolis, Indiana 98

Introductory Remarks (Part Two). K. L. Scharenberg, M.D., Ann Arbor, Mich. 114

Antenatal and Paranatal Circulatory Disorders as a Cause of Cerebral Damage in Early Life. C. B. Courville, M.D., Los Angeles, Cal. 115

Sequelae of Perinatal Trauma. N. Malamud, M.D., San Francisco, Cal. 141

Demyelinating Diseases with Special Emphasis on the Metachromatic Type (Postnatal and Early Infantile). Irwin Feigin, M.D., New York, N. Y. 156

Studies on Kernicterus. Relationship with Sulfonamide Intoxication, Preliminary Report on Kernicterus in Rats with Glucuronyl-Transferase Deficiency and Review of Pathogenesis. W. A. Blanc, M.D., and L. Johnson, M.D., New York, N. Y. 165

Number 2, April, 1959

Perinatal Infections of the Central Nervous System. Abner Wolf, M.D., and David Cowen, M.D., New York, N. Y. 191

Subdivision of Glioblastoma Multiforme on a Cytologic and Cytochemical Basis. Lowell W. Lapham, M.D., Cleveland, Ohio 244

Effects of Delayed Anticoagulant Therapy on Eperimental Cerebral Infarcts. A. F. Peterman, M.D., K. G. Wakim, M.D., G. P. Sayre, M.D., J. P. Whisnant, M.D., and C. H. Millikan, M.D., Rochester, Minnesota 263

Experimental Psychomotor Epilepsy in the Cat. Electro-Clinical and Anatomo-Pathological Correlations. H. Gastaut, M.D., Marseille, France, R. Naquet, M.D., Marseille, France, A. Meyer, M.D., London, England, J. B. Cavanagh, M.D., London, England, and E. Beck, London, England 270

Studies on Spontaneous Primary Encephalitides in the Monkey. I. Polio-Encephalitis with Predilection for the Brain Stem in the Baboon (Papio-Hamadryas). Ludo van Bogaert, M.D., Antwerp, Belgium 294

Studies on Spontaneous Primary Encephalitides in the Monkey. II. Encephalitis with a Cortico-Striate Predilection in the Baboon (Papio Hamadryas). Ludo van Bogaert, M.D., Antwerp, Belgium 306

Studies on Spontaneous Primary Encephalitides in the Monkey. III. Diffuse Non-Suppurative Meningitides and Meningo-Encephalitides with Subacute and Chronic Course. Ludo van Bogaert, M.D., Antwerp, Belgium 313

Lipolytic Activity of Lymph Nodes in Experimental Allergic Encephalomyelitis. M. Vulpe, M.D., and J. Olszewski, M.D., Montreal, Canada 324

American Association of Neuropathologists, Annual Meeting, Atlantic City, N. J., June 15, 1958 328

Book Reviews 354

NUMBER 3, JULY, 1959

DYSMYELINOGENIC LEUKODYSTROPHY. REPORT OF A CASE OF A NEW, PRESUMABLY FALILIAL TYPE OF LEUKODYSTROPHY WITH MEGALOBARENCEPHALY. F. J. WOHLWILL, M.D., J. BERNSTEIN, M.D., AND P. I. YAKOVLEV, M.D., BOSTON, MASS. 359
SCHILDER'S DISEASE WITH MELANODERMA. B. W. LICHTENSTEIN, M.D., AND P. R. ROSENBLUTH, M.D., CHICAGO, ILL. 384
ALLERGIC ENCEPHALOMYELITIS IN RATS AND RABBITS PRETREATED WITH NERVOUS TISSUE. B. H. WAKSMAN, M. D., BOSTON, MASS. 397
THE CEREBRAL DISTRIBUTION AND MIGRATION OF RADIOISOTOPES WITH SPECIAL REFERENCE TO AUTORADIOGRAMS. T. YAMAMOTO, M.D., TOKYO, JAPAN 418
FORAMINA, FENESTRAE, AND THINNESS OF PARIETAL BONE. B. S. NASHOLD, JR., M.D., AND M. G. NETSKY, M.D., WINSTON-SALEM, N. C. 432
CLINICO-PATHOLOGIC CORRELATIONS IN EXPERIMENTAL "ALLERGIC" ENCEPHALOMYELITIS. I. OBSERVATIONS ON THE EARLY LESION. E. C. ALVORD, JR., M.D., HOUSTON, TEXAS, K. R. MAGEE, M.D., ANN ARBOR, MICH., M. W. KIES, PH.D., BETHESDA, MD., AND N. P. GOLDSTEIN, M.D., ROCHESTER, MINN. 442
CLINICO-PATHOLOGIC CORRELATIONS IN EXPERIMENTAL ALLERGIC ENCEPHALOMYELITIS. II. DEVELOPMENT OF AN INDEX FOR QUANTITATIVE ASSAY OF ENCEPHALITOGENIC ACTIVITY OF "ANTIGENS". E. C. ALVORD, JR., M.D., HOUSTON, TEXAS, AND M. W. KIES, PH.D., BETHESDA, MD. 447
STUDIES ON RAT NEUROGLIA CELLS IN TISSUE CULTURE. O. BERG, M.D., AND B. KÄLLEN, M.D., LUND, SWEDEN 458
EXENCEPHALIA FOLLOWING X-IRRADIATION OF THE PRE-IMPLANTATION MAMMALIAN EMBRYO. R. RUGH, PH.D., AND E. GRUPP, NEW YORK, N. Y. 468
AN IN VITRO STUDY OF MUSCLE IN MYOTONIA. A. CORSI, M.D., MODENA, ITALY, AND C. GENTILI, M.D., BOLOGNA, ITALY 482
BOOK REVIEWS 487

NUMBER 4, OCTOBER, 1959

PATHOLOGICAL EFFECTS OF ULTRASOUND ON THE HUMAN BRAIN. A STUDY OF 25 CASES IN WHICH ULTRASOUND IRRADIATION WAS USED AS A LOBOTOMY PROCEDURE. E. NELSON, M.D., WASHINGTON, D. C., P. A. LINDSTROM, M.D., SALT LAKE CITY, UTAH, AND W. HAYMAKER, M.D., WASHINGTON, D. C. 489
FUNCTIONAL RECOVERY IN PRIMATES AFTER LARGE SUBTOTAL SPINAL CORD LESIONS. F. A. METTLER, M.D., AND H. LISS, M.D., NEW YORK, N. Y. 509
A STUDY OF DENERVATED MUSCLE IN NORMAL AND DYSTROPHIC MICE. B. Q. BANKER, M.D., AND D. DENNY-BROWN, M.D., BOSTON, MASS. 517
EXPERIMENTAL CEREBRAL EMBOLISM. I. AN IMPROVED METHOD FOR STAINING THE VASCULAR ARCHITECTURE OF THE RABBIT BRAIN. A. T. STEEGMANN, M.D., AND J. DE LA FUENTE, M.D., KANSAS CITY, KANSAS 531
EXPERIMENTAL CEREBRAL EMBOLISM. II. MICROEMBOLISM OF THE RABBIT BRAIN WITH SERAN POLYMER RESIN. A. T. STEEGMANN, M.D., AND J. DE LA FUENTE, M.D., KANSAS CITY, KANSAS 537
CHROMOPHOBE ADENOMA IN A DOG: ANGIOGRAPHIC AND ANATOMIC STUDY. T. B. CLARKSON, D.V.M., M. G. NETSKY, M.D., AND E. DE LA TORRE, M.D., WINSTON SALEM, N. C. 559
STUDIES ON A CRANIOPHARYNGIOMA IN TISSUE CULTURE. I. GROWTH CHARACTERISTICS AND ALTERATIONS PRODUCED FOLLOWING EXPOSURE TO TWO RADIOMIMETIC AGENTS. J. P. COBB, M.D., AND J. C. WRIGHT, M.D., NEW YORK, N. Y. 563
OLIGODENDROGLIOMA IN A SIX-WEEK OLD INFANT. D. J. SVOBODA, M.D., KANSAS CITY, KANSAS 569
METASTASIZING PRIMARY CEREBRAL TUMOR. S. P. GIOK, M.D., AND H. C. M. V.D. SCHOOT, M.D., LEIDEN, HOLLAND 575

Changes in the Fine Structure of Cerebellar Neurons following Ionizing Radiation. D. S. Vogel, M.D., New York, N. Y. ... 580
Activity in Gamma Efferent Circuits Induced by Distension of the Bladder. A. Abdullah, M.D., and E. Eldred, M.D., Los Angeles, Cal. ... 590
Leucoencephalopathy following Carbon Monoxyde Poisoning. T. H. Schwedenberg, M.D., Baltimore, Md. ... 597
Acute Selective Necrosis of the Granular Layer of the Cerebellar Cortex. Steen Olsen, M.D., Copenhagen, Denmark ... 609
Arhinencephaly in an Infant born to a Diabetic Mother. A. Dekaban, M.D., Bethesda, Md. ... 620
Cytochemical Localization of Oxidative Enzymes in Human Nerve Cells and Neuroglia. J. N. Potanos, M.D., A. Wolf, M.D., and D. Cowen, M.D., New York, N. Y. ... 627
Experimental Allergic Encephalomyelitis Induced by Brain Fractions Containing Mitochondria. L. Roizin, M.D., and M. Berger Wechsler, M.D., New York, N. Y. ... 636
Neuropathology in Western Europe. Part II. ... 645
Book Reviews ... 648
Index to Volume XVIII ... 651